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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 s
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Perfect score:
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Maximum DB
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                                                                                                                                                                                                                                                                                                                                                                 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                      2362
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                                                                                                                                                                                                                                                                                                                                                                                                                                    Published Applications AA:*

1: /cgn2_6/ptodata/1/pubpaa/US07 PUBCOMB.pep:*

2: /cgn2_6/ptodata/1/pubpaa/US06 NEW PUB.pep:*

3: /cgn2_6/ptodata/1/pubpaa/US06 NEW PUB.pep:*

4: /cgn2_6/ptodata/1/pubpaa/US06 PUBCOMB.pep:*

5: /cgn2_6/ptodata/1/pubpaa/US07 NEW PUB.pep:*

6: /cgn2_6/ptodata/1/pubpaa/US07 NEW PUB.pep:*

7: /cgn2_6/ptodata/1/pubpaa/US08 NEW PUB.pep:*

9: /cgn2_6/ptodata/1/pubpaa/US08 PUBCOMB.pep:*

9: /cgn2_6/ptodata/1/pubpaa/US08 PUBCOMB.pep:*

10: /cgn2_6/ptodata/1/pubpaa/US09 PUBCOMB.pep:*

11: /cgn2_6/ptodata/1/pubpaa/US09 PUBCOMB.pep:*

12: /cgn2_6/ptodata/1/pubpaa/US09 PUBCOMB.pep:*

13: /cgn2_6/ptodata/1/pubpaa/US09 PUBCOMB.pep:*

14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*

15: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*

16: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*

16: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*

18: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*

19: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*

19: /cgn2_6/ptodata/1/pubpaa/US10B_PUB.pep:*

19: /cgn2_6/ptodata/1/pubpaa/US10B_PUB.pep:*

19: /cgn2_6/ptodata/1/pubpaa/US10B_PUB.pep:*

19: /cgn2_6/ptodata/1/pubpaa/US10B_PUB.pep:*
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2362
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US-10-369-493-911
US-10-282-122A-67367
US-10-282-122A-53917
US-10-369-493-11256
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Sequence 53917, A
Sequence 53917, A
Sequence 11256, A
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## ALIGNMENTS

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Publication No. US20030087294A1

GENERAL INFORMATION:

APPLICANT: Wing-Hui WEI

TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC

TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES

TITLE OF INVENTION: THEREOF

FILE REFERENCE: CL001305 DIV

CURRENT APPLICATION NUMBER: US/10/277,032

CURRENT FILING DATE: 2002-10-22

CURRENT FILING DATE: 2002-10-22

CURRENT FILING DATE: 2002-10-22

CURRENT FILING DATE: 2002-10-22
                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: 09/984,880
PRIOR FILING DATE: 2001-10-31
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 2
                                                                                                                                                                                                                                          Query Match 100.
Best Local Similarity 100.
Matches 449; Conservative
                                                                                                                                                                                                                                                                                                                                                       LENGTH: 449
TYPE: PRT
ORGANISM: HomoSapien
                         121
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GGQAGGAQQGFLLRDFLDDPDTRQALLELLGACQEAFRPHLGEFEADFRGQLWQRLWEVQ
                                                                       RLAALLGPPERSYSLCVPVTPDAGCGARVRAARLHQRLLHQLRRGPFQRCQLLRLLCYCP
                                                                                            RLAALLGPPERSYSLCVPVTPDAGCGARVRAARLHQRLLHQLRRGPFQRCQLLRLLCYCP
                                                                                                                                                          MAFARRLLRGPLSGPLLGRRGVCAGAMAPPCRFVLELPDCTLAHFALGADAPGDADAPDP
                                                                                                                                                                                                                                                                    100.0%; Score 2362; DB 14; 100.0%; Pred. No. 4.2e-201;
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Sequence 2, Application US/10681223
; Sequence 2, Application US/2004008199A1
; GENERAL INFORMATION:
APPLICANT: MING-Hui WEI
TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUC
TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINA
TITLE OF INVENTION: THEREOF
FILE REFERENCE: CL001305 DIV-II
CURRENT APPLICATION NUMBER: US/10/681,223
; CURRENT APPLICATION NUMBER: 10/277,032
PRIOR APPLICATION NUMBER: 09/984,880
PRIOR APPLICATION NUMBER: 09/984,880
PRIOR APPLICATION NUMBER: 09/984,880
PRIOR APPLICATION NUMBER: 09/984,880
PRIOR FILING DATE: 2001-10-31
NUMBER OF SEQ ID NOS: 4
; SOFTMARE: PASTSEQ for Windows Version 4.0
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Best Local Simi
Matches 449;
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ORGANISM: Homo
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                                                                                                                        DGRRLQVGCAQVVPVPEPPLHPVVPDLPSSVVFPDREAARAVLEECTSFIPEARAVLDLV 240
                                                                                                                                                          GGQAGGAQQGFLLRDPLDDPDTRQALLELLGACQEAPRPHLGEFEADPRGQLWQRLWEVQ
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                                                                                                      DGRRLQVGCAQVVPVPEPPLHPVVPDLPSSVVFPDREAARAVLEECTSFIPEARAVLDLV
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                                              DQCPKQIQKGKFQVVAIEGLDATGKTTVTQSVADSLKAVLLKSPPSCIGQWRKIFDDEPT
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Sequence 4, Application US/10681223
Publication No. US20040081999A1
GENERAL INFORMATION:
APPLICANT: Ming-Hui WEI
TITLE OF INVENTION: ISOLATED HUMAN
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Sequence 4, Application US/10277032
Publication No. US20030087294A1
GENERAL INFORMATION:
APPLICANT: Ming-Hui WEI
TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NU
TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KIN
TITLE OF INVENTION: THEREOF
FILE REFERENCE: CL001305 DIV
CURRENT APPLICATION NUMBER: US/10/277,032
CURRENT APPLICATION NUMBER: 09/984,880
PRIOR APPLICATION NUMBER: 09/984,880
PRIOR FILING DATE: 2001-10-31
NUMBER OF SEQ ID NOS: 4
SOFTMARE: FastSEQ for Windows Version 4.0
SEQ ID NO 4
LENGTH: 508
TYPE: PRT
ORGANISM: HomoSapien
US-10-277-032-4
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US-10-277-032-4
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Best Local Similarity 48.1%;
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361
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                                                                    TYAIATEVSGGIQHLPPAHHPVYQWPEDLLKPDLILLLTVSPEERLQRLQGRGMEKTREE 397
                                                                                                                                                                                                                                                     RAFYSLGNYIVASEIAKESAKS-----
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AEAIATEV
                                   AELEANSV
                                                                                                                                               HSTATYPPCIKPVEEDLLMMNLLSFEEPFILWANYLVASEIAKESTNFPVIVDRYWHSTA
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                                                                                                                                                                                                                                                                                                                                                                     CTSFIPEARAVLDLVDQCPKQKGKFQVAIEGLDATGKTTTQQCTSFIPEARAVLDLVDQC
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368
                                   405
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Pred. No. 9.8e-62;
0; Mismatches 4
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                                                                                                                                                                                PVIVDRYWHSTA 337
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ISOLATED HUMAN KINASE PROTEINS, NUCLEIC

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ORGANISM: Archaeoglobus fulgidus US-10-369-493-911
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TITLE OF INVENTION: THEREOF
FILE REFERENCE: CLOO1305 DIVIDING
CURRENT APPLICATION NUMBER: US/10/681,223
CURRENT FILING DATE: 2003-10-09
PRIOR APPLICATION NUMBER: 10/277,032
PRIOR APPLICATION NUMBER: 10/277,032
PRIOR FILING DATE: 2002-10-22
PRIOR FILING DATE: 2001-10-31
NUMBER OF SEQ ID NOS: 4
                                                 APPLICANT: Cao, Yongwei
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Slater, Steven C.
APPLICANT: Goldman, Barry S.
APPLICANT: Chen, Xianfeng
TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF INVENTION: EXPRESSION OF MICROBIAL PROPERTIES
FILE REFERENCE: 38-10 (52052)B
CURRENT EPLICATION NUMBER: US/10/369,493
CURRENT FILING DATE: 2003-02-28
PRIOR APPLICATION NUMBER: US 60/360,039
PRIOR FILING DATE: 2002-02-21
NUMBER OF SEQ ID NOS: 47374
SEQ ID NO 911
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: FastSEQ for Windows Version
SEQ ID NO 4
LENGTH: 508
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                           Sequence 911, A Publication No.
                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
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                                     TYPE: PRT
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les 177; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ECTSFIPEARAVLDLVDQCPKQIQKGKFQVVAIEGLDATGKTTVTQSVADSLKAVLLKSP
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o. US20030233675A1
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Pred. No. 9.8e-62;
0; Mismatches 4
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TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
FILE REFERENCE: ELITRA.034A
CURRENT APPLICATION NUMBER: US/10/282,122A
CURRENT FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/230,335
PRIOR APPLICATION NUMBER: 60/230,347
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/230,347
PRIOR APPLICATION NUMBER: 60/23,578
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR APPLICATION NUMBER: 60/257,625
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR APPLICATION NUMBER: 60/267,636
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US-10-282-122A-67367
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US-10-282-122A-67367
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Best Local Similarity 28.6
Matches 61; Conservative
                                                                                                  SEQ ID NO 67367
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 67367, Application US/10282122A Publication No. US20040029129A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
                                                                                                                     Remaining Prior Application data removed - NUMBER OF SEQ ID NOS: 78614
SOFTWARE: PatentIn version 3.1
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                                                                                                                                                                                               PRIOR APPLICATION NUMBER: 60/269,308 PRIOR FILING DATE: 2001-02-16
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                       ORGANISM: Pasteurella multocida
                                                                       LENGTH: 243
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Zyskind, Judith
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Malone, Cheryl
Haselbeck, Robert
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Trawick, John
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28.6%; Pred. No. 2.3e-05;
ative 37; Mismatches 75;
                                                                                                                                                                          See File Wrapper or PALM.
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Query Match

5.9%;

Score 140;

DB 15;

Length 243;

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FILE REPERENCE: ELITRA.034A
CURRENT APPLICATION NUMBER: US/10/282,122A
CURRENT FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR APPLICATION NUMBER: 60/230,335
PRIOR APPLICATION NUMBER: 60/230,335
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                                                                                                                               Remaining Prior Application data removed - NUMBER OF SEQ ID NOS: 78614
SOFTWARE: PatentIn version 3.1
SEQ ID NO 53917
LENGTH: 205
       Matches
                         Query Match
Best Local
                                                                               ORGANISM: Cornyebacterium diptheriae -10-282-122A-53917
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 53917; Application US/10282122A Publication No. US20040029129A1 GENERAL INFORMATION:
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APPLICANT:
APPLICANT:
APPLICANT:
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APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                                           PRIOR FILING DATE: 2001-02-09
                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/267,636
PRIOR FILING DATE: 00/267,636
                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR
                                                                                                                                                                                                                        PRIOR FILING DATE: 2001-02-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: 60/242,578 FILING DATE: 2000-10-23
                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: 60/230,347 FILING DATE: 2000-09-09
                                                                                                                                                                                                                                            APPLICATION NUMBER: 60/269,308
                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 2000-09-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          204 QRYQELVRHNPKAVTIDASQTMSKVAEDVESAIE 237
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           412 MSYQRM--ENPGCHVVDASPSREKVLQTVLSLIQ 443
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     51;
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                       Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AHHPVYQWPEDL,---KPDLILLLTVSPEERLQRLQGRGMEKTREEAELEANSVFRQKVE 411
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PVTDKAELLMLYAARIQLVENVIKPALAQGKWVIGDRHDMSSQAY-----QGGGRQLD-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PTIIRR---AFYSLGNYIVASEIAKESAKSP-VIVDRYWHSTATYAIATEVSGGLQHLPP 354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -QHLLHTLKQTILGEFEPDLTLYLDIDPVLGLSRAKGRGALDRIEQQNLD----FFHRTR 203
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Yamamoto, Robert Forsyth, R.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Trawick, John
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ohlsen, Kari
Zyskind, Judith
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Haselbeck, Robert
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Malone, Cheryl
     Conservative
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io, Carlos
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Daniel
 5.6%; Score 131.5; DB 22.4%; Pred. No. 0.003; ative 39; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      27.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pred. No. 0.00066;
2; Mismatches 89;
                                                                                                                                                                                                 See File Wrapper or PALM
                                  DB 15;
 Indels
                                    Length 205;
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 69;
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 Gaps
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US-10-437-963-196428

Sequence 196428, Application US/10437963 Publication No. US20040123343A1 GENERAL INFORMATION:

APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei

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TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES FILE REFERENCE: 38-10 (52052) WITH IMPROVED PROPERTIES CURRENT APPLICATION NUMBER: US/10/369,493; CURRENT FILING DATE: 2003-02-28
PRIOR APPLICATION NUMBER: US 60/360,039
PRIOR FILING DATE: 2002-02-21
PRIOR FILING DATE: 2002-02-21
SEQ ID NO 11256
LENGTH: 199
TYPE: PRT
RESULT 9
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APPLICANT: Cao, Yongwei
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Goldman, Barry S.
APPLICANT: Chen, Xianfeng
                                                                                                                                                                                                                                                                                                                                                                                                                                            ; ORGANISM: Methanosarcina mazei
US-10-369-493-11256
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 11256, Application US/10369493 Publication No. US20030233675A1
                                                        158 ---FLQGVRAIFLKLAADDPERFVVIDASRSPEYIEKEVVKKI
                                                                                                                                      102
                                                                                                                                                                        348
                                                                                                                                                                                                                                           302 IRRAFYSLGN-----YIVASEIAKESAK-----SPVIVDRYWHSTATYAIATEVSG 347
                                                                                                                                                                                                                                                                                                                403 NSVFROKVEMSYORM--ENPGCHVV-DASPSREKVLOTVLSLI 442
                                                                                                                                                                                                               49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   157 YEBDAGLQERT-FQAYESLAQQKWMSPWLLVHPDESPDTVTQRIIQAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    394 TREEAELEANSVFRQKVEMSYQRMENPGCHY-VDASPS--REKVLQTV 438
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 348 GLQHLPPAHHPVYQWPED------LLKPDLILLLTVSPEERLQRLQ------GRGMEK 393
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       254 VVAIEGLDATGKTTVTQSVADSLKAVLLKSPPSCIGQWRKIFDDEPTIIRRAFYS----
                                                                                                                                                                                                                                                                                                                                                                       58;
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                                                                                                                                                                                                                                                                                    RGK--LITLEGIDGSGKSTVAEK------LQKNPE--IKAFKPVFTREPTRGTLTGDA 48
                                                                                                                                                                                                         VEKAIQSDTDQFAELFLFTADHAEHLAKLIKPALENGKIVISDRYSDSRYAYQ-----
                                                                                                                                                                      GLQHLPPAHHPVYQWPEDL-----LKPDLILLLTVSPEERLQRLQGRGMEKTREEAELEA 402
                                                                                                                               GITLKTRLENPL-EWVKDLHRSWTIVPDLTFLFDIRPEISIERCGKRGEQSKFEKLE---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            -----TRNDAMVQWVQELEFEELGLPVPDIHILLHTSPELAAQRAQRREATDASRKLDR
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                                                                                                                                                                                                                                                                                                                                                                                       5.4%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                   39;
                                                                                                                                                                                                                                                                                                                                                               Score 128.5; DB 15; Pred. No. 0.0053; 9; Mismatches 71;
                                                                                                                                                                                                                                                                                                                                                                                                     DB 15; Length 199;
                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             IN PLANTS FOR PRODUCTION OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   203
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APPLICANT: Cao, Yongwei
APPLICANT: Hinkle, Gregory J.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Slater, Steven C.
APPLICANT: Coldman, Barry S.
APPLICANT: Chen, Xianfeng
TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN
TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
FILE REFERENCE: 38-10(52052)B
CURRENT APPLICATION NUMBER: US/10/369,493
CURRENT FILING DATE: 2003-02-28
PRIOR APPLICATION NUMBER: US 60/360,039
PRIOR FILING DATE: 2002-02-21
NUMBER OF SEQ ID NOS: 47374
SEQ ID NO 21577
LENGTH: 205
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US-10-369-493-21577
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                                                                                                                                                          ; ORGANISM: Pyrococcus abyssi
US-10-369-493-21577
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OTHER INFORMATION: Clone ID: PAT_MRT4530_92280C.1.pep
US-10-437-963-196428
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
APPLICANT: Pick Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53221)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 196428
LENGTH: 253
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 21577, Application US/10369493 Publication No. US20030233675A1
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Oryza sativa
                                                                             Local Similarity
nes 52; Conserv
                                          249
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           438 VISLIONSFSE 448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             290 Q-WRKIFDDEPTIIRRAFYSLGNYIVASEIAKES-----
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    N
                      KGKFQVVAIEGLDATGKTTVTQSVADSLKAVLLKSPPSCIGQWRKIFDDEPT-----II
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SPEERLQRLQGRGMEKTREEAELEANSVFRQKVEMSYQRMENPGCHVVDASPSREKVLQT 437
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  -AKSPVIVDRYWHSTATYAIATEVSGGLQHLPPAHHPVYQW---PED-LLKPDLILLLTV 377
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LPQWRGVFRSVRMESGSSQGGRGALIVLEGLDRSGKSSQCARLLSFLQG-----KGCQA 82
  RGYF--VVLEGIDGSGKTTQAKLLAEWFEE-----QGWDVLLTKEPTDTEFGRLI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                QPEKAAER-GGYGGER-YEKIE-----FQKKVGEHYHSLRDSTWKVVDGSLPMEVVEEQ 231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LGGTTLIVDRYSYS----GVAFSAAKGLD-----IEWCKAPENGLIAPDLVVYLDV 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EGWR--FPDRGT-----SVGQ-MISAYLANESELDDRTIHLLFSANRWEKRALMERKL 132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Boukharov, Andrey
                                                                           5.4%; Score 127.5; DB 15; llarity 22.7%; Pred. No. 0.0068; Conservative 43; Mismatches 71;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; Score 128.5; DB; Pred. No. 0.0074; 39; Mismatches 8
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                                                                             Indels
                                                                                                                                                                                                                                                                                                                                                                                              IN PLANTS FOR PRODUCTION
                                                                                                                 Length
                                                                                                                   205;
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                                                                             63;
                                                                             Gaps
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                                                                       RESULT 12
US-10-425-114-64336
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Sequence 64336, Application US/10425114
Publication No. US20040034888A1
GENERAL INFORMATION:
APPLICANT: Liu, Jingdong
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APPLICANT: Cao, Yongwei
APPLICANT: Hinkle, Gregory J.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Goldman, Barry S.
APPLICANT: Goldman, Barry S.
APPLICANT: Chen, Xianfeng
ITITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES FILE REFERENCE: 38-10(52052)B
CURRENT APPLICATION NUMBER: US/10/369,493
CURRENT APPLICATION NUMBER: US/0360,039
PRIOR APPLICATION NUMBER: US 60/360,039
PRIOR APPLICATION NUMBER: US 60/360,039
PRIOR FILING DATE: 2002-02-21
NUMBER OF SEQ ID NOS: 47374
SEQ ID NO 22800
LENGTH: 259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; FEATURE;
; NAME/KEY: unsure
; LOCATION: (1)..(259)
; OTHER INFORMATION: unsure at all xaa locations
US-10-369-493-22800
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US-10-369-493-22800
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Schizosaccharomyces pombe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                      363 -PEDLLKPDLILLTVSPEERLQRLQGRGMEKTREEAELEANSVFRQKVEMSYQRME---
                                                                                                                                                                                                                             118 AFSGIAFSAAKVILSPLGXFVNYRRLRIXTLXTIYEVTNIKXGLD-------WEWCKS 168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         248 QKGKFQVVAIEGLDATGKTTVTQSVADSL----KAVLLKSP-----
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                                                                                                                                                                                                                                                                                                                                                                                             285 --PSCIGQWRKIFD------DEPTIIRRAFYSLGNYIVASEIAKESAKS-PVIVDRY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           398 AELEANSVFROKVEMSYQRMEN--PGCHVVDASPSREKVLQTVLSLIQN 444
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      60;
                                                                                                                                                                                                                                                                                                                                      63 DRTTAIG--KKIDDYLKESVQLNDQ---VIHLLFSANRWETIQYIYEQINKGVTCILDRY
                                                                                                                                                                                                                                                                                                                                                                                                                                                    3 KQNRGRLIVIEGLDRSGKSTQCQLLVDKLISQHEKABLFKFPGKSYFCFLADXLVTFTRX 62
REEGLEFITLDASSSLEDVHSQIVDLVSN 249
                                                       -NPGCHVV--DASPSREKVLQTVLSLIQN 444
                                                                                                                                                                                                                                                                                    WHSTATYAIA-----
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                                                                                                                 PDRGLPRPDLVIFLNVDP--RIAATRGQYGEERYEKIEMQ---
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5.4%;
ilarity 22.3%;
Conservative 4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   42;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 127; DB 1
Pred. No. 0.01;
42; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 15;
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                                                                                                                                                                                                                                                                                 TEVSGGLQHLPPAHHPVYQW----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 259;
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                                                                                                                 EKVLKNFORLOKEF
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US-09-815-242-11027
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US-10-425-114-64336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 11027, Application US/09815242 Patent No. US20020061569A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement SILE REFERENCE: 38-21(5313)B CURRENT APPLICATION NUMBER: US/10/425,114 CURRENT FILING DATE: 2003-04-28 NUMBER OF SEQ ID NOS: 73128

SEQ ID NO 64336
LENGTH: 263
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APPLICANT:
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Best Local Similarity
                                                                                                                                                                                        PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
                                                                                                                                                                                                                                          FILE REFERENCE: ELITRA.011A
CURRENT APPLICATION NUMBER: US/09/815,242
CURRENT FILING DATE: 2001-03-21
                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Habelbeck, Robert
APPLICANT: Ohlsen, Kari L.
APPLICANT: Zyskind, Judith W.
                                                                                                                                                            PRIOR FILING DATE:
PRIOR APPLICATION N
                                                                                                                                                                                                                                                                                                    APPLICANT: Xu, H. Howard
TITLE OF INVENTION: Identification
TITLE OF INVENTION: Prokaryotes
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ORGANISM: Zea mays
FEATURE:
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                                                                                 APPLICATION NUMBER: 60/242,578
FILING DATE: 2000-10-23
APPLICATION NUMBER: 60/253,625
APPLICATION NUMBER: 60/269,308 FILING DATE: 2001-02-16
                                              APPLICATION NUMBER: 60/257,931
                                                                                                                                       FILING DATE:
                                                                                                                                                        APPLICATION NUMBER: 60/207,727
                                                                    FILING DATE: 2000-11-27
                                     FILING DATE:
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                                                                                                                                                                                                                                                                                                                                                      Yamamoto, Robert T.
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Screen, Steven
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Steven E
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Pred. No. 0.012;
4; Mismatches
                                                                                                                                                                                                                                                                                                                   of.
                                                                                                                                                                                                                                                                                                                   Essential Genes
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RESULT 14
US-10-282-122A-58176
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LENGTH: 210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 58176, Application US/10282122A Publication No. US20040029129A1
Remaining Prior Application
NUMBER OF SEQ ID NOS: 78614
SOFTWARE: PatentIn version 3
SEQ ID NO 58176
                                                                   PRIOR APPLICATION NUMBER: 60/2
PRIOR FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/2
PRIOR FILING DATE: 2001-02-16
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APPLICANT:
APPLICANT:
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                                                                                                                                                 PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: Identification of Esset FILE REFERENCE: ELITRA, 034A CURRENT APPLICATION NUMBER: US/10/282,122A CURRENT FILING DATE: 2003-02-20 PRIOR APPLICATION NUMBER: 60/191,078 PRIOR FILING DATE: 2000-03-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
                                                                                                                                                                                                                                                                                                                                       PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
                                                                                                                                                                                                                                          PRIOR FILING DATE: 2000-09-09
PRIOR APPLICATION NUMBER: 60/242,578
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                                                                                                                                                                                                                              PRIOR FILING DATE:
                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: 60/230,347
                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: 60/230,335
PRIOR FILING DATE: 2000-09-06
                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: 60/206,848
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: FastSEQ for Windows Version 4.0
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                                                                                                                              APPLICATION NUMBER: 60/267,636
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            112 LDP--HFMLTLKETVLGNFEPDLTIYLDIDPSVGLARARGRGELDRIEQMDLD----FFH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     409 KVEMSYQRM--ENPGCHYVDASPSREKVLQTVLSLIQN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       166 RTRARYLELVKDNÝKAVVINAEQSIELVQADIESAVKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       298 EPTIIRRAFYSLGNYIVASEIAKESAKSP-----VIVDRYWHSTATYAIATEVSGGLQH 351
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    249 KGKFQVVAIEGLDATGKTTVTQSVADSL-----KAVLLKSPPSC----IGQWRKIFDD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           57;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INVENTION: Identification of Essential Genes in Microorganisms
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    N
                     PatentIn version 3.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Carr, Grant
Yamamoto, Robert
Forsyth, R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Zamudio, Carlos
Malone, Cheryl
Haselbeck, Robert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Trawick, John
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Zyskind,
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                                                                                          60/269,308
                                                       data removed -
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Pred. No. 0.0095;
                                                       See
                                                     File
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; LENGTH: 210 ; TYPE: PRT ; ORGANISM: Haemophilus influenzae US-10-282-122A-58176
Search completed: February 27, 2005, 17:59:13 Job time : 134 secs
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PRIOR FILING DATE: 2002-02-21
NUMBER OF SED ID NOS: 47374
SEQ ID NO 1320
LENGTH: 205
TYPE: PRT
ORGANISM: Pyrococcus horikoshii
US-10-369-493-1320
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US-10-369-493-1320
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APPLICANT: Hinkle, Gregory J.
APPLICANT: Glater, Steven C.
APPLICANT: Goldman, Barry S.
APPLICANT: Chen, Xianfeng
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APPLICANT: Chen, Xianteng
TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION
TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
FILE REFERENCE: 38-10(52052)B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/10/369,493
CURRENT FILING DATE: 2003-02-28
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1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*

2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
;3: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*

4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*

5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*

6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*
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SULT 1  -09-984-880-2  Sequence 2, Application US/09984880  Patent No. 6489153  GENERAL INFORMATION: HISOLATED HUMAN  TITLE OF INVENTION: ISOLATED HUMAN  TITLE OF INVENTION: ACID MOLECULE  TITLE OF INVENTION: THEREOF  FILE REFERENCE: CL001305  CURRENT APPLICATION NUMBER: US/09/  CURRENT FILLING DATE: 2001-10-31  NUMBER OF SEQ ID NOS: 4  SOFTWARE: FRASTSEQ for Windows Vers  SEQ ID NO 2  LENGTH: 449  TYPE: PRT  ORGANISM: HomoSapien  -09-984-880-2		103.5 103.5 103.5 103.5 103.5 102.5 101.5 100.5 100.5 100.5 100.5 100.5 100.5
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<u>v</u>	ALIGNMENTS	US-09-413-814-46 US-09-252-991A-25366 US-10-020-079-8 US-110-020-079-4 US-10-020-079-2 US-09-902-540-12293 US-09-902-540-12293 US-09-91A-30034 US-09-252-991A-31851 US-09-252-991A-20357 US-09-252-991A-20357 US-09-252-991A-20357 US-09-252-991A-273145 US-09-252-991A-273145 US-09-252-991A-2759 US-09-252-991A-27769 US-09-252-991A-27769 US-09-252-991A-24702 US-09-252-991A-24702
KINASE PROTEINS, NUCLEIC ENCODING HUMAN KINASE PROTEINS, AND USES 84,880 on 4.0		Sequence 46, Appli Sequence 25366, A Sequence 8, Appli Sequence 4, Appli Sequence 2, Appli Sequence 2, Appli Sequence 31034, A Sequence 31034, A Sequence 31851, A Sequence 20357, A Sequence 30625, A Sequence 3145, A Sequence 3145, A Sequence 32512, A Sequence 2769, Ap Sequence 7769, Ap Sequence 7769, Ap Sequence 7769, Ap Sequence 7769, Ap

S 吊 Ş 음 성 밁 S 문 S 밁 8 밁 δ Query Match 100.0%; Score 2362; DB 4; Best Local Similarity 100.0%; Pred. No. 2.5e-232; Matches 449; Conservative 0; Mismatches 0; 361 301 301 241 241 181 121 GGQAGGAQQGFLLRDPLDDPDTRQALLELLGACQEAPRPHLGEFEADPRGQLWQRLWEVQ 180 181 121 61 61  $\vdash$ 1 MAFARRILIRGPISGPIIGRRGVCAGAMAPPCRFVIEIPDCTIAHFAIGADAPGDADAPDP QWPEDLLKPDLILLLTVSPEERLQRLQGRGMEKTREEAELEANSVFRQKVEMSYQRMENP DQCPKQIQKGKFQVVAIEGLDATGKTTVTQSVADSLKAVLLKSPPSCIGQWRKIFDDEPT DGRRLQVGCAQVVPVPBPPLHPVVPDLPSSVVFPDREAARAVLEECTSFIPEARAVLDLV GGQAGGAQQGFLLRDPLDDPDTRQALLELLGACQEAPRPHLGEFEADPRGQLWQRLWEVQ MAFARRLLRGPLSGPLLGRRGVCAGAMAPPCRFVLELPDCTLAHFALGADAPGDADAPDP DGRRLQVGCAQVVPVPEPPLHPVVPDLPSSVVFPDREAARAVLEECTSFIPEARAVLDLV Indels Length 449; 0, Gaps 120 300 120 60 360 300 240 0

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; Sequence 4, Application U; Patent No. 6489153; GENERAL INFORMATION: APPLICANT: Wing-Hui WEI; TITLE OF INVENTION: ISOL
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; ORGANISM: HomoSapien
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LENGTH: 449
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Patent No. 6664087
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TITLE OF INVENTION: ISOLATED HUMAN KINASE
TITLE OF INVENTION: ACID MOLECULES ENCODI
TITLE OF INVENTION: THEREOF
FILE REFERENCE: CL00135 DIV
CURRENT APPLICATION NUMBER: US/10/277,032
CURRENT FILINE DATE: 2002-10-22
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PRIOR FILING DATE: 2001-10-31
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSEQ for Windows Version
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; TITLE OF INVENTION: ACID MOLECULES ENCODING; THEREOF; FILE REFERENCE: CL001305; CURRENT APPLICATION NUMBER: US/09/984,880; CURRENT FILING DATE: 2001-10-31; NUMBER OF SEQ ID NOS: 4; SOFTWARE: FastSEQ for Windows Version 4.0; SEQ ID NO 4; LENGTH: 508; TYPE: PRT; ORGANISM: HomoSapien
US-09-984-880-4
                                                                                        ; SEQ ID NO 4
; LENGTH: 508
; TYPE: PRT
; ORGANISM: HomoSapien
US-10-277-032-4
                                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: MING-THI WEI
TITLE OF INVENTION: ISOLATED HUMAN KINAS;
TITLE OF INVENTION: ACID MOLECULES ENCO;
TITLE OF INVENTION: THEREOF
FILE REFERENCE: CL001305 DIV
CURRENT APPLICATION NUMBER: US/10/277,03:
CURRENT FILING DATE: 2002-10-22
PRIOR APPLICATION NUMBER: 09/984,880
PRIOR PILING DATE: 2001-10-31
NUMBER OF SEQ ID NOS: 4
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                               Query Match
Best Local Similarity
Matches 177; Conserv
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Best Local
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ECTSFIPEARAVLDLVDQCPKQIQKGKFQVVAIEGLDATGKTTVTQSVADSLKAVLLKSP
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                                            33.7%;
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                              0;
                            Score 795.5; DB 4;
Pred. No. 2.9e-72;
0; Mismatches 4;
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Pred. No. 2.
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RESULT 5
US-09-252-991A-28002
US-09-252-991A-28002, Application US/09252991A
; Sequence 28002, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
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; APPLICATION:
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; NUCLEIC ACID AND A
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US-09-252-991A-28002
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                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 124; Conserv
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TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
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  MNDADSLQDYQRVRQQAIRSLFEIVEGSSEGTVIVDREARIVWINQRYAQRFGLADPAQA
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                                                                              RRARRA---TDPPGPLARRPGAA--GKRRRAGRRGILSLHRERLPGYSGGPFRRPPQEPP
                                                                                                                                                                                              FQRCQLLRLLCYCPGGQAG---GAQQGFLLRDPLDDPDTRQALL------BLLGACQEA 156
                                                                                                                                                                                                                                                                       ---DPRLA----ALLGPP-----ERSYSLCVPVTPDAGCGARVRAARLHQRLLHQLRRGP
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TITLE OF INVENTION: Crystallization and Stru-
TITLE OF INVENTION: Staphylococcus Aureus Th
FILE REFERENCE: 6245.NCP
CURRENT APPLICATION NUMBER: US/09/632,553
CURRENT FILING DATE: 2000-08-04
PRIOR APPLICATION NUMBER: 60/147,117
PRIOR FILING DATE: 1999-08-04
                                                                                                                                   RESULT 7
US-09-252-991A-25690
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US-09-632-553-3
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Best Local S
Sequence 25690, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: MARC J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AEROGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
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Patent No. 6689595
GENERAL INFORMATION:
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SEQ ID NO 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 216
TYPE: PRT
ORGANISM: Saccharomyces cerevisiae
                                                                                                                                                                                                                164
                                                                                                                                                                                                                                                                                             111 MDLDWCLQPDVGLLKPDLTLFLSTQDVDNNAEKSGFGDERYE-
                                                                                                                                                                                                                                                                                                                               358 PVYQW---PE-DLLKPDLILLLTVSPEERLQRLQGRGMEKTREEAELEANSVFRQKVEMS
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Pharmacia & Upjohn
VENTION: Crystallization and Structure Determination
VENTION: Stanhylococcus Aureus Thymidylate Kinase
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ilarity 25.0%;
Conservative 3
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Pred. No. 0.0011;
7; Mismatches 80;
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RESULT 8
US-09-632-553-2 ,
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CURRENT FILLING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILLING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILLING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 25690
LENGTH: 681
TYPE: PRT
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SOFTWARE: PatentIn Ver. 2.
SEQ ID NO 2
LENGTH: 213
TYPE: PRT
ORGANISM: Escherichia coli
                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                      Sequence 2, Application US/09632553
Patent No. 6689595
                                                                                                           APPLICANT: Pharmacia & Upjohn
TITLE OF INVENTION: Crystallization and Structure
TITLE OF INVENTION: Staphylococcus Aureus Thymidyl
FILE REFERENCE: 6245.NCP
CURRENT APPLICATION NUMBER: US/09/632,553
CURRENT FILING DATE: 2000-08-04
PRIOR APPLICATION NUMBER: 60/147,117
PRIOR PILING DATE: 1999-08-04
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Best Local Similarity
Matches 125; Conserv
                                                                                                 NUMBER OF SEQ ID NOS:
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                                                                               PatentIn Ver. 2.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APGDADAPDPRLAALLGPPERSYSLCVPVTPDAGC--GARVRAARLHQRLLHQLRRGPFQ 108
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RESULT 10 US-09-902-540-15299

Sequence 15299, Application Patent No. 6833447 GENERAL INFORMATION:

US/09902540

APPLICANT: Goldman, Barry S.
APPLICANT: Hinkle, Gregory
APPLICANT: Slater, Steven C
APPLICANT: Wiegand, Roger C

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US-09-489-039A-7540
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TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING
TITLE OF INVENTION: PUBLICACID AND AMINO ACID SEQUENCES RELATING
TITLE OF INVENTION: PUBLICACION
CURRENT FILL REFERENCE: 2709.2004001
CURRENT FILING DATE: 2000-01-27
PRIOR APPLICATION NUMBER: US 60/117,747
PRIOR APPLICATION NUMBER: US 60/117,747
PRIOR FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 14342
SEQ ID NO 7540
LENGTH: 219
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APPLICANT: Gary Br
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ORGANISM: Klebsiella pneumoniae
                                                                                                                                                                                                                                                                                                     Local Similarity
mes 52; Conserv
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165 IEQESMNFFNRTRARYLELA---AADPSIRTVDATQPLDAVARDIRATIAQWMAE
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                                                                                                                                                                                 289 GQWRKIFDDEPTIIRRAFYSLGNYIVASEJAKESAKSP-VIVDRYWHSTATY-----
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                                                                          RTMLATLRDAVLGD-----
                                                                                                                                             STGDEVINDKAEVL--MFYAARVQLVETVIKPALARGQWVIGDRHDLSTQAYQGGGRGID
                                 TREEAELEANSVFRQKVEMSYQRMENPGCHVVDASPSREKVLQTVLSLIQNSFSE 448
                                                                                                          ----AIATEVSGGLQHLPPAHHPVYQWPEDLLKPDLILLLTVSPEERLQRLQGRG-MEK 393
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                                                                      -----FRPNLTLYLDVTPEVGLQRARARGELDR
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RESULT 11
US-09-902-540-15011
; Sequence 15011, Application US/09902540
; Patent No. 6833447
. GENERAL INFORMATION:
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  APPLICANT: Goldman, Barry S.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Wiegand, Roger C.
TITLE OF INVENTION: Myxococcus xanthus Genom
FILE REFERENCES: 38-10(15849)B
CURRENT APPLICATION NUMBER: US/09/902,540
CURRENT FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: 60/217,883
PRIOR FILING DATE: 2000-07-10
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CURRENT FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: 60/217,883
PRIOR FILING DATE: 2000-07-10
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO 15299
LENGTH: 925
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Best Local
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37; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DGGKASAVPEDEWPSSAASEPYPLTPMQEGMLFHTLLAPGSRVYHEQLEFELRGPLV---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ESAKSPVIVDRYWHSTAT---YAIATEVSGGLQH--LPPAHHPVYQWPEDLLKPDLILLL 375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TPTGKVDRGALPEPSEF---NRLVPSGLHEAPRGALEERLSRLWGEVLRVALPGRHAHFL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 VVVRGEGEDEHRL---VAYVVPARNAVEPLELTALRAFLERSLPDYMVPAVFIPLDGLPL 323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        L-DDPDTR-----QALLELLGACQ----EAPRPHLGEFEADPRGQLWQR---
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RERFLAEDRARGFALTDAPPVRLSVVQ
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24.2%;
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Pred. No. 0.024;
0; Mismatches 2
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                                                                                                        Genome
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                                                                                                      Sequences
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US-09-107-433-3820
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US-09-902-540-15011
                                                                                                                                                                                                                                                                                                                                               Sequence 3820, Application US/09107433

PATENT NO. 6800744

GENERAL INFORMATION:
APPLICANT: Lynn A Doucette-Stamm and David Bush
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID
SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQ ID
SEQ ID NO 15011
LENGTH: 1646
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Best Local Similarity
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COMPUTER: «Unknown»

OPERATING SYSTEM: «Unknown»

SOFTWARE: «Unknown»

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/107,433

FILING DATE: 30-Jun-1998
                                                                                                                    ZIP: 02354
COMPUTER READABLE FORM:
MEDIUM TYPE: CD/ROM ISO9660
                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES: 5206
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            798
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                --APRPHLGEFEADPRGQLWQ------RLWEVQDGRRLQVGCAQVVPVPEPPLHPV 203
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                                                                                                                                                                                    STATE: Massachusetts
COUNTRY: USA
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                                                                                                                                                                                                                               CITY: Waltham
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Pred. No. 0.17;
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US-09-252-991A-24254
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                                                                                                       PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 24254
LENGTH: 955
TYPE: PRT
                                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: MAYC J. Rubenfield et al.
APPLICANT: MAYC J. RUBENfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
        Matches
                                         Query Match
                                                                                                                                                                                                                                                                                                                                                     Sequence 24254, Application US/09252991A Patent No. 6551795
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
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Best Local
                                                                                      ORGANISM: Pseudomonas aeruginosa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE: (781)893-5007
TELEFAX: (781)893-8277
INFORMATION FOR SEQ ID NO: 3820:
                      Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 60/085131
FILING DATE: May 12, 1998
APPLICATION NUMBER: 60/051553
FILING DATE: July 2, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Ariniello, Pamela Deneke
REGISTRATION NUMBER: 40,489
REFERENCE/DOCKET NUMBER: GTC-011
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
les 53; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: misc feature
LOCATION: (B) LOCATION 1...218
SEQUENCE DESCRIPTION: SEQ ID NO: 3820:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HYPOTHETICAL: YE ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE: protein HYPOTHETICAL: YES
                                                                                                                                                                                                                                                                                                                                                                                                                                                171 LHKKVRQGYLSLLDKEGNRIVKIDASLPLEQVVETTKAVL
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      74;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FROKVEMSY-QRMENPGCHVV--DASPSREKVLQTVLSLI 442
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TYPE: amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear
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        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                 UMBER: US 60/074,788
1998-02-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                -----QFATDGLKPDLTLYFDIEVEEGLARI---AANSDREVNRLDLEGLD
   4.6%; Score 109; DI
28.1%; Pred. No. 0.1
ative 14; Mismatches
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                    DB 4; Length 955;
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     83;
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     Indels
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   92;
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   Gaps
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US-09-252-991A-25642
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US-09-252-991A-25642
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 25642
LENGTH: 615
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION: APPLICANT: Marc J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 25642, Application US/09252991A Patent No. 6551795
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/09/252,991A CURRENT FILING DATE: 1999-02-18 PRIOR APPLICATION NUMBER: US 60/074,788
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local
                                                         507
       350
                                                                                                       293
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                                                                                                                                                                                                                                                                                          177 WEVQDGRRLQVGCAQVVPVPEPPLHPVVPDLPSSVVFPDREAARAVLEECTSFIPEARAV 236
                                                                                                                                                                                                                                                                                                                                                        375
                                                                                                                                                                                               237 LDLVDQCPKQIQKGKFQVVAIEGLDATGKTTVTQSVADSLKAVLLKSPPSCI----GQWR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   326 ELADLELPEALPLLIAALRGDPDPGVRGEAARLLE-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           913 RPGDRRSAELPERQLRP-DPGLP 934
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           825 PRHAP-GPPLGAGAGRRPPRAQPVRLHLRLLGGGHCRRRQ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        98;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               6 RILRGPLSGPLLGRRGVCAGAMAPPCRFVLELPDCTLAHFALGADAPGDADAPDPRLAAL 65
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QHLPPAHHPVYQWPEDLLKPDLILLTVSPEERLQRLQGRGMEKTREEAELEANSVFRQK 409
                                                 -----VREEAATTLG----KLGREEAGEPLLKALADDYWQVRLR---AARALGRL
                                                                                                  KIFDDEPTIIRRAFYSLGNYIVASEIAKESAKSPV---IVDRYWHSTATYAIATEVSGGL
                                                                                                                                                                                                                                                        REL----RLEESAA----
                                                                                                                                                 LGWLRHQPALAELAR----LASADVDPEVRRAATGALGLSREATVL--PALCAALADAQWQ 506
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ----LGPPERSYSLCVPVTPDAGCGARVRAARLHQRLLHQLRRGPFQRCQLLRLLCYCPG 121
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                                                                                                                                                                                                                                                   ----PALAALGDPQAA---
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FILE REFERENCE: GMIO201
FILE REFERENCE: GMIO201
CURRENT FILING DATE: 1999-02-26
NUMBER OF SEG ID NOS: 3
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 2
LENGTH: 212
TYPE: PRT
ORGANISM: Streptococcus pneumoniae
US-09-259-109-2
Search completed: February 27, 2005, 17:53:15 Job time : 46 secs
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APPLICANT: Zalacain, Magdalena
APPLICANT: Biswas, Sanjoy
APPLICANT: Chalker, Alison F.
APPLICANT: Ingraham, Karen A.
APPLICANT: Traini, Christopher M.
APPLICANT: Warren, Patrick V.
TITLE OF INVENTION: tdk
                                                                                                                                                                                                                                                                                                                                                                              Query Match 4.5%; Score 107; DB 3; Length 212; Best Local Similarity 24.5%; Pred. No. 0.015; Matches 52; Conservative 34; Mismatches 90; Indels 36;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 2, Application US/09259109
Patent No. 6270762
GENERAL INFORMATION:
                                                                                                            414 Y-QRMENPGCHVV--DASPSREKVLQTVLSLI 442
                                                                                                                                                                                                                                                                                                     585 SAQALRVAEG-----DGDPEVRKAVRIALAQLR 612
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                                                                                                                                                     122 -----OFATDGLKPDLTLYFDIEVEEGLARI---AANSDREVNRLDLEGLDLHKKVRQG 172
                                                                                                                                                                                                                                                        300 TIIRRAFYSLGNYIVASBIAKESAKSPVIVDRYWHSTATY----AIATEVSGGLQHLPP 354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        410 VEMSYORMENPGCHVVDASPSREKVLQTVLSLIQ 443
                                                                            173
                                                                                                                                                                                         355 AHHPVYQWPEDLLKPDLILLLTVSPEERLQRLQGRGMEKTREEAELEANSV-FRQKVEMS 413
                                                                                                                                                                                                                            66 TELLLYIASRROHLVEKVLPALEAGKLVİMDRFIDSSVAYQGFGRGLDIEAIDWLN---- 121
                                                                            YLSLIDKEGNRIVKIDASLPLEQVVETTKAVL 204
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB
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Perfect score:
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seq length: 2000000000
Published Applications NA:*

1: /cgn2_6/ptodata/2/pubpna/VS07 PUBCOMB.seq:*

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Gapop 10.0 , Gapext 1.0
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10713.331 Million cell updates/sec
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

110 8 7 110	Result
2571 2571 2572 2276 2125.2 1694.2 1579.6 1579.6 1579.6 1579.6	Score
100.0 100.0 88.5 82.7 61.4 61.4 61.4 61.4	t Query Match Length
2571 2571 2856 2645 2199 2199 2199 2199 2199 20966	Length
117 118 118 118 118	В
US-10-277-032-1 US-10-681-223-1 US-10-305-810-6 US-10-044-090-720 US-10-370-715B-645 US-10-357-930-20954 US-10-357-930-22065 US-10-357-930-226800 US-10-357-930-27924 US-10-357-930-27924 US-10-357-930-37924 US-10-357-930-3	SUMMARIES
Sequence 1, Appli Sequence 1, Appli Sequence 6, Appli Sequence 720, Appli Sequence 645, App Sequence 20954, A Sequence 20055, A Sequence 26800, A Sequence 27924, A Sequence 3, Appli Sequence 3, Appli	Description

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71.6 71.6	71.6	71.6	71.8	73	74	74	74.4	75	75.8	75.8	76	76	76	76	76.2	77.6	79.8	79.8	126.2	149.8	219.4	239.2	303.8	366	382.8	390.8	399	411.2	411.4	411.4	411.4
2.8	2.8	2.8	2.8	2.8	2.9	2.9		2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	4.9	5.8	8.5	9.3	11.8	14.2	14.9	15.2	15.5	16.0	16.0	16.0	16.0
2561 2561	2561	2561		1437	9025608	1860	723	1092	4667	667	53500	53500	1413	1413	77294	972	9025608	2118	390	603	497	293	507	1163	432	454	417	418	454	454	454
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US-10-023-523-48 US-10-616-187-48	US-10-023-529-48	US-09-976-740-48		US-10-156-761-5988	US-10-156-761-1		US-10-425-115-164510	US-10-767-701-9739	US-10-723-860-5759	US-10-767-701-4633	US-10-267-255-76	US-09-953-348-76	US-10-267-255-51	US-09-953-348-51	US-10-729-802-1	US-10-425-115-17653	US-10-156-761-1	US-10-156-761-7362	US-09-783-590-11496	US-10-240-425-827	US-09-783-590-5564	US-10-357-930-1516	US-09-867-701-2642	US-10-723-860-5376	US-10-357-930-31877	US-10-357-930-3179	US-10-357-930-10685	US-10-357-930-12348	US-10-357-930-42442	US-10-357-930-40840	US-10-357-930-33519
Sequence 48, Appl Sequence 48, Appl	4.8	Sequence 48, Appl	Sequence 8597, Ap	Sequence 5988, Ap	Sequence 1, Appli	Sequence 1558, Ap	Sequence 164510,	9739,	5759,	463		76,	51,	51		Sequence 17653, A	Sequence 1, Appli	Sequence 7362, Ap	Sequence 11496, A		Sequence 5564, Ap	Sequence 1516, Ap	Sequence 2642, Ap	5376,		3179,	Sequence 10685, A	Sequence 12348, A	Sequence 42442, A	Sequence 40840, A	Sequence 33519, A

## ALIGNMENTS

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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1
LENGTH: 2571
TYPE: DNA
ORGANISM: HomoSapien
US-10-277-032-1
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Publication No. US20030087294A1
GENERAL INFORMATION:
APPLICANT: Ming-Hui WEI
TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
TITLE OF INVENTION: THEREOF
FILE REFERENCE: CL001305 DIV
                                                                                                                                         Query Match 100.0%; Score 2571; Best Local Similarity 100.0%; Pred. No. 0; Matches 2571; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/10/277,032
CURRENT FILLING DATE: 2002-10-22
PRIOR APPLICATION NUMBER: 09/984,880
PRIOR FILING DATE: 2001-10-31
NUMBER OF SEQ ID NOS: 4
                    61 GCCACTGTCGGGGCCGCTGCTCGGGCGGGGCGCGGGGGTCTGCGGCCCATGGCTCCGCC 120
61
                                                                                         DB 14;
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                                                                                                                                                                          Length 2571;
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120
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Qy 2281 AATGCAATGTTTGTTGTGTATTTTCATTACACAAACTTAATTTGTCTTGTTAAATAAGTT 2340	1260
OY 2221 AATANGTTTCCTCAGCATAGGAGCTATGATTCATTAAAAAGTGGAGTCAAAACGCTA 2280	1141 CCTTATCCTGCTGCTGACTGTGAGTCCTGAGGAGAGGGTTGCAGAGGCTGCAGGGCCGGGG 1200
2161 TCTGAACTGGATGCATATCATTTAGCCAATCCAGTAATTTATTT	1140
4 4	1080
ATTCAAGCCAAGATGCTCCAACTGCAAATATACCAACCTTCTCTGAATTATATTTTGCTT	1020
Qy 1981 TGATCTTGTGTCTGAGGCTCAGAGCCCTTTTGATAGGCTTCTGATGTCATTAAAAGAC 2040	960
Qy 1921 TGCCCAAGGGACACTCCTGCAGAGGCCATTTTTTGGGTAAGGAACACTTACAAAGAAGGCAT 1980	900
Qy 1861 CCCTCAGTCCCAAATTCTAGTAGCCAAGTGTTCCTGCAGAGGCTGTCTATGTGTCCTGGC 1920	GTTGTTGCCATCGAAGGACTGGATGCCACGGGTAAAACCACGGTGACCCA 840
Qy       1801 ATGCCCACATTGGCTTCTTCCACATCTGGTTGCACTCCATCATGATGGGCTCGCTGCATCT       1860	721 TCCTGAAGCCCGGCAGTGCTTGACCTGGTCGACCAGTGCCCAAAACAGATCCAGAAAGG 780
1741 CAGCAGGAACCCCGGAGCCTCTGCTTCTCCTACACTGGCATGCTGATGAGATCGTGAC	720
1681 AGACCTGTCCTTACTCAGACAGCACCAGGTGTACAGAAGCAGCAGACAAGATCTTCCAGAT	601 ACAGGTCGTGCCCGGAGCCCCCGCTGCACCCGGTGGTGCCCAGACTTGCCCAGTTC 660
1621 TGGCATAGTAAACATTTCTTGGAACATATGTTCACTTAATCACTACCAAATATCTGGA 	y 541 CCAGCTGTGGCAGCGCCTCTGGGAGGTGCAAGACGGCAGGCGGCTGCAGGTGGGCTGCGC 600 [
1561 CGTCATCACAAAGGTCCCTCTCATCATGTTCCAGTGAGAGGCCAGCGATTGCTTTCCTCC	09C9G 540       09C9G 540
1501 CTGGAGACCAGGCATCTTAATTTTACTTCAGCCATCGTACCCTCTTCTGACTGA	480
1441 ACCATTTGTTATGCAGTGTTCCCAAATTTCTGTTCTACAAGCATGTTGTGTGGCAGAAAA	CAGCAAGG 420
1381 1381	y 301 GGCGGCGCGGCTGCACCAGCGCTGCCACCAGCTGCGCCGCGCGCCCTTCCAGCGGTG 360
1321 CAGAGAAAAGGTCCTGCAGACAGTATTAAGCCTAATCCAGAATAGTTTTAAGTGAACCGTA	TCCG 300 
OY 1261 AGAANGTCCTACCAGCGGANGGAGAATCCTGGCTGCATGTGGTTGATGCCAGCCCTC 1320	y 181 CGCCCCGGCGACGCAGACGCCCCGACCCCGGCGGGGGCGCTGTTGGGGCCCCCGGA 240
	y 121 GTGCCGCTTCGTCCTGGAGCTTCCCGACTGCACCTGGCTCACTTCGCCCCTAGGCGCCGA 180

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61 CCAGCTGCTCAGGCTGCTCTGCTACTGCCCGGGCCGGCCAG	Oy 301 GGCGGCGGCTGCACCAGCGCCTGCTGCACCAGCTGCGCCGGCCCCTTCCAGCGGTG	Qy 241 GCGCAGCTACTCGCTGTGCGTGCCCGTGACCCCGGACGCCGGGCTGCGGGGCCCGGGTCC	Db 181 CGCCCCGGCGACACACGCCGACCCCGACCTGGCGCCTGTTTGGGGCCCCCGGA	QY 121 GTGCCGCTTCGTCCTGGAGCTTCCCGACTGGACCTGGCCCACTTCGCCCCTAGGCGCCGA	Qy 61 GCCACTGTCGGGGCCGCTGCTCGGGCGGGGGTCTGCGCTGGGGCCATGGCTCCGCC	1 cagagccaaagacagcarcactaaagacacccaragaccttcaccaccagct	Query Match 100.0%; Score 2571; DB 17; Length 2571 Best Local Similarity 100.0%; Pred. No. 0; Matches 2571; Conservative 0; Mismatches 0; Indels 0;	LENGTH: 2571 ; TYPE: DNA ; ORGANISM: Homo sapiens US-10-681-233-1	PRIOR FILING DATE: 2001-10-31  NUMBER OF SEQ ID NOS: 4  SOFTWARE: FastSEQ for Windows Version 4.0  SEO ID NO 1	CURRENT FILING DATE: 2003-10-09  PRIOR APPLICATION NUMBER: 10/277,032  PRIOR FILING DATE: 2002-10-22  PRIOR APPLICATION NUMBER: 09/984.880	CODING HUMAN K	Publication Nd. US20040081999A1 ; GENERAL INFORMATION: ; APPLICANT: Migg-Hui WEI ; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS. NICLEIC	) WS-10-681-223-1 : Sequence 1. Adolication US/10681223	Qy 2521 AAGCCTTGCATGTCCTGCAGCGTCGCACTAAAGGAGGGGGCTTTTGCACCC	Qy         2461         ATTATAGAGCTTGTGTGAGCTTTAGGGAGTAGCTGTCTTATACACATACTCAAGCCCTG	Qy 2401 TACATATGAAATCGCTTTGACATATCTTTAGACAGAAAAAAGTAGCTGAGTGAG	OY 2341 CAAGTGGATCTTGGACTGGGATTTCTTGGTAAATTATCTTGCACTTGAATGTCTCATGAT	2281
4.	CCAGCGGTG 360	CCGGGTCCG 300	240	180	99 	6 6	71; Qy 0; Gaps 0; Db	Qy	ע <i>ס</i> ממ	Qy Ob	EINS, AND USES Qy	Qy da	Qy	2571 Qy 2571 Db	CAAGCCCTG 2520 Qy           CAAGCCCTG 2520 Db	3AGGGGGAA 2460 Qy           3AGGGGGAA 2460 Db	TCTCATGAT 2400 ; Qy          CTCATGAT 2400 Db	2340
1441 ACCATTTGTTATGCAGTGTTCCCAAATTTCTGTTCTACAAGCATGTTGTGTGGCAGAAAA 1500 	1381 GTTACTCTGGCCAGGTGCCACGTCTAACTAGATTAGATGTTGTTTGAAACATCTACATCC 1440 1381 GTTACTCTGGCCAGGTGCCACGTCTAACTAGATGTTGTTTGAAACATCTACATCC 1440	CAGAGAAAAGGTCCTGCAGACAGTATTAAGCCTAATCCAGAATAGTTTTAGTGAACCGTA	AGAAATGTCCTACCAGCGGATGGAGAATCCTGGCTGCCATGTGGTTGATGCCAGCCCCTC	O1 CATGGAGAAGACCAGGGAAGAAGCAGAACTTGAGGCCAACAGTGTGTTTCGTCAAAAGGT O1 CATGGAGAAGACCAGGGGAAGAAGCAGAACTTGAGGCCAACAGTGTGTTTCGTCAAAAGGT O1 CATGGAGAAGACCAGGGAAGAAGCAGAACTTGAGGCCAACAGTGTGTTTTCGTCAAAAGGT O1 CATGGAGAAGACCAGGGAAGAAGCAGAACTTGAGGCCAACAGTGTGTTTTCGTCAAAAGGT	41 CCTTATCCTGCTGCTCACTGTGAGTCCTGAGGAGAGTTGCAGAGGCTGCAGGGCCGGGG	1081 GCACCTGCCCCAGCCCATCACCCTGTGTACCAGTGGCCAGAGGACCTGCTCAAACCTGA 1140	1021 CAGGTACTGGCACAGGCCACGTCTATGCCATAGCCACTGAGGTGAGTGGGGGTCTCCA 1080	961 CAATTATATTGTGGCCTCCGAAATAGCTAAAGAATCTGCCAAATCTCCTGTGATTGTAGA 1020 	901 GTGGAGGAAGATCTTTGATGATGAACCAACTATCATTAGAAGAGCTTTTTACTCTTTIGGG 960 	841 GTCAGTGGCAGATTCACTTAAGGCTGTCCTCTTAAAGTCACCACCCTCTTGCATTGGCCA 900	781 AAAGTTCCAGGTTGTTGCCATCGAAGGACTGGATGCCACGGGTAAAACCACGGTGACCCA 840	721 TCCTGAAGCCCGGGCAGTGCTTGACCTGGTCGACCAGTGCCCAAAACAGATCCAGAAAGG 780	661 CGTGGTCTTCCCGGACCGGGAAGCCGCCCGGGCCGTTTTGGAAGAAGTGTACCTCCTTTAT 720	601 ACAGGTCGTGCCCGTCCCGGAGCCCCGCTGCACCCGGTGGTGCCAGACTTGCCCAGTTC 660	541 CCAGCTGTGGCAGCGCCTCTGGGAGGTGCAAGACGGCAGGCGGCTGCAGGTGGGCTGCGC 600	481 GGGCGCCTGCCAGGAGGCACCACGCCCGCACTTGGGCGAGTTCGAGGCCGACCCGCGCGG 540	421 CTTCCTGCTGCGACCCCCTGGATGACCCTGACACCCGGCAAGCGCTGCTCGAGCTGCT 480	

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AAGCCTTGCATGTCCTGCAGCGTCGCACTAAAGGAGGGGGCTTTTGCACCC
                      AAGCCTTGCATGTCCTGCAGCGTCGCACTAAAGGAGGGGGGCTTTTGCACCC 2571
                                                       ATTATAGAGCTTGTGTGACTTTAGGGAGTAGCTGTCTCTTATACACATACTCAAGCCCTG
                                                                          ATTATAGAGCTTGTGACTTTAGGGAGTAGCTGTCTCTTATACACATACTCAAGCCCTG
                                                                                                                  CAAGTGGATCTTGGAGTGGGATTTCTTGGTAAATTATCTTGCACTTGAATGTCTCATGAT
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APPLICANT: Smithson, Glennida
APPLICANT: Millet, Isabelle
APPLICANT: Millet, Isabelle
TITLE OF INVENTION: ANTISENSE MODULATION OF PROTEIN EXP
FILE REFERENCE: 21402-501
CURRENT FILING DATE: 2002-11-27
PRIOR APPLICATION NUMBER: 60/334,148
PRIOR FILING DATE: 2001-11-29
PRIOR APPLICATION NUMBER: 60/336,572
PRIOR FILING DATE: 2001-12-04
PRIOR FILING DATE: 2000-07-26
PRIOR APPLICATION NUMBER: 60/192,838
PRIOR APPLICATION NUMBER: 60/192,838
PRIOR APPLICATION NUMBER: 60/194,256
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: 60/233,798
PRIOR FILING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: 60/233,798
PRIOR APPLICATION NUMBER: 60/233,798
PRIOR APPLICATION NUMBER: 60/233,798
PRIOR PILING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: 60/233,798
PRIOR FILING DATE: 2000-09-19
PRIOR APPLICATION NUMBER: 60/233,798
PRIOR FILING DATE: 2000-09-19
PRIOR PILING DATE: 2000-09-19
PRIOR APPLICATION NUMBER: 60/240,316
PRIOR PILING DATE: 2000-02-15
PRIOR PILING DATE: 2000-02-16
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Publication No. US20030176385A1
GENERAL INFORMATION:
APPLICANT: Ju, Jingfang
APPLICANT: Huang, Chunli
APPLICANT: Zhong, Haihong
APPLICANT: Simons, Jan Fredrik
APPLICANT: Tailon, Bruce E.
APPLICANT: Tailon, Bruce E.
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US-10-305-810-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 2388; Conserv
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SEQ ID NO 6
LENGTH: 2856
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TACTGCCCGGGCGGCCAGGCGGCGCGCACAGCATCCTGCTGCGCGCGACCCCCTG
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Tailon, Bruce E.
Chant, John S.
Peyman, John A.
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nilarity 98.9%;
Conservative
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RESULT 4 US-10-044-090-720	RESULT US-10-	1460 TCCCAAATTTCTGTTCTACAAGCATGTTGTGTGGCAGAAAACTGGAGACCAGGCATCTTA 1519
2480 TTTAGGGAGTAGGT 2493 	da Vy	1400 ACGTCTAACTAGATTAGATGTTGTTTGAAACATCTACATCCACCATTTGTTATGCAGTGT 1459 
	g 49	1340 ACAGTATTAAGCCTAATCCAGAATAGTTTTAGTGAACCGTAGTTACTCTGGCCAGGTGCC 1399
GATTICTIGGIAAATIAICTIGCACITIGAAIGICTCAIGATIACATAIGAAATICGCTITIG	5. B &	1280 ATGGAGAATCCTGGCTGCCATGTGGTTGATGCCAGCCCCTCCAGAGAAAAAGGTCCTGCAG 1339
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ATTTAGCCAATCCAGTAATTTATTATATATATGTATACATAATATGTTTCCTCAGCATA ATTTAGCCAATCCAGTAATTTATTATATATATATATATAT	da Ab	1100 CACCCTGTGTACCAGTGGCCAGAGGACCTGCTCAAACCTGACCTTATCCTGCTGCTCACT 1159
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ACTGCAAATATACCAACCTTCTCTGAATTATATTTTGCTTATTTAT	o do do	980 GAAATAGCTAAAGAATCTGCCAAATCTCCTGTGATTGTAGACAGGTACTGGCACAGCACG 1039
CAGAGCCOTTTTGATAGGCTTCTGATGTCATTCATAAAGACATTCAAGCCAAGATGCTCC	da Ao	920 GATGAACCAACTATCATTAGAAGAGCTTTTTACTCTTTTGGGCAATTATATTGTGGGCCTCC 979
CAGAGCCATTTTGGGTAAGGAACACTTACAAAGAAGGCATTGATCTTGTGTCTCAGGCT	- B - 84	860 AAGGCTGTCCTCTTAAAGTCACCACCCTCTTGCATTGGCCAGTGGAGGAAGATCTTTGAT 919
GTAGCCAAGTGTTCCTGCAGAGGCTGTCTATGTGTCCTGGCTGCCCAAGGGACACTCCTG 1	da da	803 GAAGGACTGGATGCCACGGGTAAAACCACGGTGACCCAGTCAGTGGCAGATTCACTT 859
CACATCTGGTTGCACTCGTCATGATGGGCTCGCTGCATCTCCCTCAGTCCCAAATTCTA	A AG	743 GACCTGGTCGACCAGTGCCCAAAACAGATCCAGATGGAAAGGTTCCAGGTTGTTGCCATC 802
CCTCTGCTTCTCCTACACTGGCATGCTATGAGATCGTGACATGCCCACATTGGCTTCTT	dg Vo	683 GCGCCCGGGCCGTTTTGGAGGAGTGTACCTCCTTTATTCCTGAAGCCCGGGCAGTGCTT 742
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1580 CTCATCATGTTCCAGTGAGAGGCCAGCGATTGCTTTCTTCCTGGCATAGTAAACATTTTC 1639	Qy Db	503 CCCCGCACTTGGGCGAGGCCGAGCCGGCGGCCAGCTGTGGCAGCGCCTCTGG 562
	B &	443 GATGACCCTGACACCCGGCAAGCGCTGCTCGAGCTGGTGGGCGCCTGCCAGGAGGCACCA 502
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Sequence 720, Application US/10044090

Publication No. US20020137081A1

GENERAL INFORMATION:
APPLICANT: Olga Bandman

TITLE OF INVENTION: GENES DIFFERENTIALLY EXPRESSED IN VASCUI
FILE REFERENCE: PA-0028 US
CURRENT APPLICATION NUMBER: US/10/044,090

CURRENT FILING DATE: 2002-01-09

NUMBER OF SEQ ID NOS: 850
SOFTWARE: PERL Program
SEQ ID NO 720
LENGTH: 2645
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No. US20020137081A1 197362.2
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Query Match Best Local Similarity 98.9%; Score 1694.2; DB 18; Length 2566; Best Local Similarity 98.9%; Pred. No. 0; Matches 1779; Conservative 0; Mismatches 13; Indels 7; Gaps 7;  Qy 695 GTTTTGGAGGAGTGTACCTCCTTTATTCCTGAAGCCCGGCAGTGCTTGACCTGGTCGAC 754	; APPLICANT: WU,THOMAS D. ; TITLE OF INVENTION: Compositions and Methods for the Treatment of Immune ; TITLE OF INVENTION: Related Diseases ; PILE REFERENCE: P1948R1-US ; CURRENT APPLICATION NUMBER: US/10/370,715B ; CURRENT FILING DATE: 2003-02-21 ; NUMBER OF SEQ ID NOS: 742 ; SEQ ID NO 645 ; ELENGTH: 2566 ; TYPE: DNA ; ORGANISM: Homo sapien US-10-370-715B-645	Sequence 645, Application US/10370715B  Publication No. US20040258678A1  GENERAL INFORMATION:  Patin Docket Preview APPLICANT: BODARY, SARAH C.  APPLICANT: BODARY, SARAH C.  APPLICANT: GLARK, HILLARY  APPLICANT: JACKMAN, JANET  APPLICANT: JACKMAN, JANET  APPLICANT: SCHOENFELD, JILL R.  APPLICANT: SCHOENFELD, JILL R.  APPLICANT: WOOD, WILLIAM I.	Qy       2432 ACAGAAAAAGTAGCTGAGTGAGGGGAAATTATAGAGCTTTTAGGGAGTAG 2491         Db	Oy  2312 CAPACTTAATTGTCTTGTTAAATAAGTCAAATGCAATGTTTGTT	2132 TIGGCTCTGAATAGAATGCACATTTTCCATCTGAACTGGATGCATATCATTTAGCCAATC
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APPLICANT: Endege, Wilson
APPLICANT: MORDAN, JOHN
TITLE OF INVENTION: MOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
TITLE OF INVENTION: HOWEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
TITLE OF INVENTION: HOWEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
TITLE OF INVENTION: HOWEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
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TILL OF INVENTION: HOWEL GENES, COMPOSITION, AND THER
FILE REFERENCE: MRI-0078C1
CURRENT FILING DATE: 2003-02-04
PRIOR APPLICATION NUMBER: 60/20-04
PRIOR APPLICATION NUMBER: 60/2183,319
PRIOR APPLICATION NUMBER: 60/2183,319
PRIOR APPLICATION NUMBER: 60/2189,862
PRIOR APPLICATION NUMBER: 60/207,454
PRIOR APPLICATION NUMBER: 60/207,454
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: 60/207,454
PRIOR APPLICATION NUMBER: 60/211,314
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: 60/211,314
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: 60/219,007
PRIOR FILING DATE: 2000-06-09
PRIOR APPLICATION NUMBER: 60/219,007
PRIOR FILING DATE: 2000-01-18
PRIOR FILING DATE: 2000-01-18
PRIOR FILING DATE: 2000-01-18
PRIOR APPLICATION NUMBER: 60/255,281
PRIOR FILING DATE: 2000-01-13
NUMBER OF SEQ ID NOS: 62232
SOFTWARE: PASESEQ for WINDOWS VErsion 4.0
SEQ ID NO 20954
LENGTH: 2199
TYPE: DNA
ORGANISM: Homo Sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: 1, 2-3, 4, 2198, 2199
OTHER INFORMATION: n = A,T,C or G
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US-10-357-930-20954
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US-10-357-930-22065

US-10-357-930-22065

Sequence 22065, Application US/10357930

Publication No. US20040259086A1

GENERAL INFORMATION:
APPLICANT: Endegel. Robert
APPLICANT: Endegel. Robert
APPLICANT: Monahan, John
APPLICANT: Monahan, John
ITILE OF INVENTION: HOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR TITLE OF INVENTION: HUMAN PROSTATE CANCER
FILE REFERENCE: MRI-007BCN
CURRENT FILING DATE: 2003-02-04
PRIOR APPLICATION NUMBER: US/10/357,930
CURRENT FILING DATE: 2003-02-16
PRIOR APPLICATION NUMBER: 60/183,319
PRIOR PILING DATE: 2000-02-17
PRIOR PILING DATE: 2000-02-17
PRIOR PILING DATE: 2000-02-17
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PRIOR APPLICATION NUMBER: 60/207,454
PRIOR FILING DATE: 2000-05-25
PRIOR FILING DATE: 2000-06-09
PRIOR APPLICATION NUMBER: 60/211,314
PRIOR APPLICATION NUMBER: 60/219,007
PRIOR APPLICATION NUMBER: 60/219,007
PRIOR FILING DATE: 2000-07-18
PRIOR APPLICATION NUMBER: 60/255,281
PRIOR FILING DATE: 2000-12-13
NUMBER OF SEQ ID NOS: 62232
SOFTWARE: FastSEQ for Windows Version 4.
SEQ ID NO 22065
LENGTH: 2199
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1, 2, 3, 4, 2198, 2199
OTHER INFORMATION: n = A,T,C or G
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                                                               TTATCTTGCACTTGAATGTCTCATGATTACATATGAAATCGCTTTGACATATCTTTAGAC
                                                                                                                               A--TTAATTGTCTTAAATAAGTACA--GGGATCTTGGGGGATTTCTTGGGTAAA
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Sequence 26000, Application US/10357930

| Sequence 26000, Application US/10357930
| Publication No. US20040259086A1
| GENERAL INFORMATION: Schlegel. Robert APPLICANT: Schlegel. Robert APPLICANT: Schlegel. Robert ITILE OF INVENTION: MOTAL GENES, COMPOSITIONS, KITS, AND METHODS FOR TITLE OF INVENTION: HUMAN PROSTATE CANCER FILE REFERENCE: MRI-007BCR
| CURRENT APPLICATION NUMBER: US/10/357,930
| CURRENT PILLING DATE: 2003-02-04
| PRIOR APPLICATION NUMBER: 09/785,276
| PRIOR APPLICATION NUMBER: 60/183,319
| PRIOR APPLICATION NUMBER: 60/207,454
| PRIOR APPLICATION NUMBER: 60/207,454
| PRIOR APPLICATION NUMBER: 60/207,454
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; LOCATION: 1, 2, 3, 4,
; OTHER INFORMATION: n =
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US-10-357-930-26800
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SOFTWARE: PRATISEQ for Windows Version
SEQ ID NO 26800
LENGTH: 2199
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
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Sequence 27934, Application US/10357930

Publication No. US20040259086A1

GENERAL INFORMATION:
APPLICANT: Schlegel. Robert
APPLICANT: Endege, Wilson
APPLICANT: Endege, Wilson
APPLICANT: Monaham, John
ITILE OF INVENTION: IDENTIFICATION, KITS, AND METHODS FOR
ITILE OF INVENTION: INVELIGENES, COMPOSITIONS, KITS, AND THER
ITILE OF INVENTION: HOWEL GENES, COMPOSITION, KITS, AND METHODS FOR
CURRENT PRILING DATE: 2003-02-04
PRICE APPLICATION NUMBER: US/10/357,930

CURRENT PRILING DATE: 2003-02-04
PRICE APPLICATION NUMBER: 60/183,319
PRICE APPLICATION NUMBER: 60/183,319
PRICE PRILING DATE: 2000-03-16
PRICE FILING DATE: 2000-03-16
PRICE FILING DATE: 2000-03-16
PRICE FILING DATE: 2000-03-16
PRICE FILING DATE: 2000-05-25
PRICE FILING DATE: 2000-05-25
PRICE FILING DATE: 2000-05-25
PRICE FILING DATE: 2000-05-25
PRICE FILING DATE: 2000-07-18
PRICE APPLICATION NUMBER: 60/255,281
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; LCCATION: 1, 2, 3, 4, 2198, 2
; OTHER INFORMATION: n = A,T,C
US-10-357-930-27924
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1894 1385	CATCTCCCTCAGTCCCAAATTCTAGTAGCCAAGTGTTCC 
1834	775 CACTGGCATGATGAGAICGTGACATGCCCACATTGGCTTCTTCCACATCTGGTTGCACATCLAGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGCTTCTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGCTTGCACATCTGGCTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGCTTGCACATCTGGCTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGCTACATCTGCACATCTGCACATCTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGTTGCACATCTGGCTACATCTGACATCTGACATCTGACATCTGACATCTGACATCTGACATCTGACATCTGACATCTGACATCTGACATCTGACATCTGACATCTGACATCTACATCTACATCTACATCTACATCTACATCTACATCTACATCTACATCTACATCTACATCTACATCTACATCTACATCTACATCTACATCTACATCTACATCTACATCTACATCTACATCTACATCTACATCTACATCTACATCTACATCTACATCTACATCTACATCTACATCTACATCAT
1774	715 GAAGCAGCAGACAAGATCTTCCAGATCAGCAGGAGACCCCGGAGCCTCTGCTTCTCCTA
1714 1206	1655 CAÇTTAATCACTACCAAATATCTGGAAGACCTGTCTTACTCAGACAGCACCAGGTGTACA
1654 1146	
1594 1086	1535 TCGTACCCTCTTCTGACTGATGGACCCGTCATCACAAAGGTCCCTCTCATCATGTTCCAG 
1534 1026	1475 CTACAAGCATGTTGTGTGGCAGAAAACTGGAGACCAGGCATCTTAATTTTACTTCAGCCA 
1474 966	1415 AGATGTTTGTTTGAAACATCTACATCCACCATTTGTTATGCAGTGTTCCCAAATTTCTGTT
1414 906	1355 ATCCAGAATAGTTTTAGTGAACCGTAGTTACTCTGGCCAGGTGCCACGTCTAACATT
1354 846	1295 TGCCATGTGGTTGATGCCAGCCCCTCCAGAGAAAAGGTCCTGCAGACAGTATTAAGCCTA
1294 786	1235 GCCAACAGTGTGTTTCGTCAAAAGGTAGAAATGTCCTACCAGCGGATGGAGAATCCTGGC
1234 726	1175 AGGTTGCAGAGGCTGCAGGGCCGGGGCATGGAGAAGACCAGGGAAGAACAAGCAGAGAACTTGAG 
1174 666	1115 TGGCCAGAGGACCTGCTCAAACCTGACCTTATCCTGCTGCTGCTGAGTCCTGAGGAG
1114	1055 GCCACTGAGGTGAGTGGGGGGTCTCCAGCACCTGCCCCCAGCCCATCACCCTGTGTACCAG
1054 546	995 TCTGCCAAATCTCCTGTGATTGTAGACAGGTACTGGCACAGCACGGCCACCTATGCCATA 
994 486	935 ATTAGAAGAGCTTTTTACTCTTTTGGGCAATTATATTGTGGCCTCCGAAATAGCTAAAGAA 
934 426	875 AAGTCACCACCCTCTTGCATTGGCCAGTGGAGGAAGATCTTTGATGATGAACCAACTATC
366	307 GCCACGGGTAAAACCACGGTGACCCAGTCAGTGGCAGATTCACTTAAGGCTGTCCTCTTA

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Sequence 3, Application US/10277032

Publication No. US20030087294A1

GENERAL INFORMATION:
APPLICANT: Ming-Hui WEI
TITLE OF INVENTION: ISOLATED HUMAN KINASE PRITITLE OF INVENTION: ACID MOLECULES ENCODING
TITLE OF INVENTION: THEREOF
FILE REFERENCE: CL001305 DIV
CURRENT APPLICATION NUMBER: US/10/277,032
CURRENT ETLING DATE: 2002-10-22
PRIOR APPLICATION NUMBER: 09/984,880
PRIOR FILING DATE: 2001-10-31
NUMBER OF ESQ ID NOS: 4
SOPTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 3
LENGTH: 20966
TYPE: DNA
ORGANISM: HomoSapien
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TAGTTTTAGTGAACCGTAGTTACTCTGGCCAGGTGCCACGTCTAACTAGATTAGATGTTG 1422
                            GGTTGATGCCAGCCCCTCCAGAGAAAAGGTCCTGCAGACGGTATTAAGCCTAATCCAGAA
                                                   GGTTGATGCCAGCCCCTCCAGAGAAAAGGTCCTGCAGACAGTATTAAGCCTAATCCAGAA 1362
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                                                                                                                                                      Score 1130.4; DB 14
Pred. No. 2.3e-268;
0; Mismatches 16;
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GTAGCTGAGTGAGGGGGAAATTATAGAGCTTGTGTGACTTTAGGGGAGTAGCT
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US-10-681-223-3

; Sequence 3, Application US/10681223

; Publication No. US20040081999A1

; GENERAL INFORMATION:

APPLICANT: Ming-Hui WEI

APPLICANT: MING-Hui WEI

TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC

TITLE OF INVENTION: THEREOF

FILLE REFERENCE: CL001305 DIV-II

CURRENT APPLICATION NUMBER: US/10/681,223

CURRENT FILING DATE: 2003-10-09

PRIOR APPLICATION NUMBER: 10/277,032

PRIOR APPLICATION NUMBER: 10/277,032

PRIOR FILING DATE: 2002-10-22

PRIOR FILING DATE: 2001-10-31

NUMBER OF SEQ ID NOS: 4

SOPTWARE: FASTSEQ for Windows Version 4.0

; SEQ ID NO 3

; LENGTH: 20966

TYPE: DNA

; ORGANISM: Homo sapiens
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TGATGGGCTGCATCTCCCTCAGTCCCAAATTCTAGTAGCCAAGTGTTCCTGCAGAG
                                                                                                                                      CAGACAAGATCTTCCAGATCAGCAGGGAGACCCCGGAGCCTCTGCTTCTCCTACACTGGC
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                                                                                CAGACAAGATCTTCCAGATCAGCAGGGAGACCCCCGGAGCCTCTGCTTCTCCTACACTGGC 1781
                                                                                                                                                                                                                   TCACTACCAAATATCTGGAAGACCTGTCTTACTCAGACAGCACCAGGTGTACAGAAGCAG
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APPLICANT: Bifee et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and
FILE REFERENCE: PA131P1
CURRENT APPLICATION NUMBER: US/10/264,237
CURRENT APPLICATION NUMBER: PCT/US01/16450
PRIOR APPLICATION NUMBER: PCT/US01/16450
PRIOR PILING DATE: 2001-05-18
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR FILING DATE: 2000-05-19
SOFTWARE: Patentin Ver. 3.1
SOFTWARE: Patentin Ver. 3.1
SOFTWARE: DAA
CORGANISM: Homo sapiens
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                                                                   Query Match
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Matches 1127; Conserv
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Publication No. US20040009491A1
GENERAL INFORMATION:
                             1353 TAATCCAGAATAGTTTTAGTGAACCGTAGTTACTCTGGCCAGGTGCCACGTCTAACTAGA 1412
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Pred. No. 2e-245;
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                                 CAGAAAAAAGTAGCTGAGTGAGGGGGAAATTATAGAGCTTGTGTGTACTTTAGGGAGTAGC 2492
                                                                      ATTATCTTGCACTTGAATGTCTCATGATTACATATGAAATCGCTTTGACATATCTTTAGA
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APPLICANT: Endege, Wilson
APPLICANT: Endege, Wilson
APPLICANT: Monahan, John
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THEF
TITLE OF INVENTION: HUMAN PROSTATE CANCER
FILE REFERENCE: MRI-007BCN
CURRENT APPLICATION NUMBER: US/10/357,930
CURRENT FILING DATE: 2003-02-04
PRIOR PILING DATE: 2003-02-16
PRIOR PILING DATE: 2000-02-16
PRIOR APPLICATION NUMBER: 60/183,319
PRIOR APPLICATION NUMBER: 60/183,319
PRIOR APPLICATION NUMBER: 60/183,319
PRIOR PILING DATE: 2000-03-16
PRIOR FILING DATE: 2000-03-16
PRIOR PILING DATE: 2000-03-16
PRIOR APPLICATION NUMBER: 60/217,454
PRIOR APPLICATION NUMBER: 60/217,1314
PRIOR APPLICATION NUMBER: 60/217,1314
PRIOR APPLICATION NUMBER: 60/210,007
PRIOR PILING DATE: 2000-06-09
PRIOR PILING DATE: 2000-06-09
PRIOR PILING DATE: 2000-07-18
PRIOR APPLICATION NUMBER: 60/215,007
PRIOR PILING DATE: 2000-07-18
PRIOR PILING DATE: 2000-07-18
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Best Local Similarity 98.6%;
Matches 415; Conservative
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LENGTH: 454
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SOFTWARE: FastSEO for Windows Version 4.0
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; ORGANISM: Homo sapiens
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US-10-357-930-40840
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PRIOR FILING DATE: 2003-02-16
PRIOR FILING DATE: 2003-02-16
PRIOR APPLICATION NUMBER: 60/183,319
PRIOR FILING DATE: 2000-02-17
PRIOR APPLICATION NUMBER: 60/189,862
PRIOR FILING DATE: 2000-03-16
PRIOR FILING DATE: 2000-03-16
PRIOR APPLICATION NUMBER: 60/207,454
PRIOR FILING DATE: 2000-05-25
PRIOR FILING DATE: 2000-05-25
PRIOR FILING DATE: 2000-05-29
PRIOR APPLICATION NUMBER: 60/211,007
PRIOR FILING DATE: 2000-07-18
PRIOR APPLICATION NUMBER: 60/255,281
PRIOR APPLICATION NUMBER: 60/255,281
PRIOR FILING DATE: 2000-12-13
PRIOR FILING DATE: 2000-12-13
PRIOR FILING DATE: 2000-12-13
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Best Local Similarity 98.6%;
Matches 415; Conservative
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APPLICANT: Monahan, John
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
TITLE OF INVENTION: HUMAN PROSTATE CANCER
FILE REFERENCE: MRI-007BCN
CURRENT APPLICATION NUMBER: US/10/357,930
CURRENT FILING DATE: 2003-02-04
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SOFTWARE: FastSEQ for Windows Version
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                                              CAAATTTCTGTTCTACAAGCATGTTGTGTGGCAGAAAACTGGAGACCAGGCATCTTAATT 453
                                                                             CAAATTTCTGTTCTACAAGCATGTTGTGTGGCAGAAAACTGGAGACCAGGCATCTTAATT 1522
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Pred. No. 3.1e-91;
0; Mismatches 6;
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CURRENT APPLICATION NUMBER: 09/10/357,930
CURRENT FILING DATE: 2003-02-04
PRIOR APPLICATION NUMBER: 09/785,276
PRIOR PILING DATE: 2003-02-16
PRIOR PILING DATE: 2003-02-16
PRIOR FILING DATE: 2000-02-16
PRIOR FILING DATE: 2000-02-17
PRIOR APPLICATION NUMBER: 60/183,319
PRIOR APPLICATION NUMBER: 60/189,862
PRIOR APPLICATION NUMBER: 60/207,454
PRIOR FILING DATE: 2000-03-16
PRIOR PILING DATE: 2000-05-25
PRIOR APPLICATION NUMBER: 60/211,314
PRIOR FILING DATE: 2000-06-09
PRIOR APPLICATION NUMBER: 60/211,314
PRIOR FILING DATE: 2000-07-18
PRIOR FILING DATE: 2000-07-18
PRIOR FILING DATE: 2000-07-18
PRIOR FILING DATE: 2000-07-18
PRIOR FILING DATE: 2000-12-13
NUMBER OF SEQ ID NOS: 62332
SOPTWARE: FASCSEQ for Windows Version 4.0
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; ORGANISM: Homo sapiens
US-10-357-930-42442
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US-10-357-930-42442
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Best Local Similarity 98.6%;
Matches 415; Conservative
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Publication No. US20040259086A1

GENERAL INFORMATION:

APPLICANT: Schlegel. Robert

APPLICANT: Endege, Wilson
APPLICANT: Monahan, John

TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
TITLE OF INVENTION: HUMAN PROSTATE CANCER
FILE REFERENCE: MRI-007BCN
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                                                      CAAATTTCTGTTCTACAAGCATGTTGTGTGGGCAGAAAACTGGAGACCAGGCATCTTAATT 1522
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                               CAAATTTCTGTTCTACAAGCATGTTGTGTGGCAGAAAACTGGAGACCAGGCATCTTAATT
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Search completed: February 28, 2005, 22:36:20 Job time : 1440 secs

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Post-processing: Minimum Match 0%
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Patent No. 6489153

GENERAL INFORMATION:

APPLICANT: Ming-Hai WEI

TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES

TITLE OF INVENTION: THEREOF

FILE REFERENCE: CL001305

CURRENT FILLING DATE: 2001-10-31

NUMBER OF SEQ ID NO: 4

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 1

LENGTH: 2571

TYPE: DNA

ORGANISM: HomoSapien

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Sequence 1, Application US/10277032

Sequence 1, Application US/10277032

Patent No. 6664087

GENERAL INFORMATION:

APPLICANT: Ming-Hui WEI

TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC

TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND

TITLE OF INVENTION: THEREOF

FILE REFERENCE: CL001305 DIV

CURRENT FILING DATE: 2002-10-22

PRIOR APPLICATION NUMBER: 09/984,880

PRIOR FILING DATE: 2001-10-31

NUMBER OF SEQ ID NOS: 4

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 1

LENGTH: 2571

TYPE: DNA

ORGANISM: HomoSapien

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RESULT 3
US-09-984-880-3
Sequence 3, Application US/09984880
Patent No. 6489153
GENERAL INFORMATION:
APPLICANT: Ming-Hui WEI
APPLICANT: Ming-Hui WEI
TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND
TITLE OF INVENTION: THEREOF
FILLE REFERENCE: CL001305
CURRENT APPLICATION NUMBER: US/09/984,880
CURRENT APPLICATION NUMBER: US/09/984,880
CURRENT FILING DATE: 2001-10-31
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FASTSEQ for Windows Version 4.0
ENGINE OF SEQ ID NOS: 4
ORGANISM: HomoSapien
US-09-984-880-3
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Query Match 44.0%; Score 1130.4; DB 4; Best Local Similarity 98.1%; Pred. No. 6.3e-262; Matches 1228; Conservative 0; Mismatches 16;
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Sequence 3, Application US/10277032

Patent No. 6644087

GENERAL INFORMATION:
APPLICANT: Ming-Hui WEI
TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
TITLE OF INVENTION: THEREOF
FILE REFERENCE: CL001305 DIV
CURRENT FILING DATE: 2002-10-22
PRIOR APPLICATION NUMBER: US/10/277,032
CURRENT FILING DATE: 2001-10-31
NUMBER OF SEQ.ID NOS: 4
SOFTWARE: FRAUSEQ for Windows Version 4.0
SEQ ID NO 3
LENGTH: 20966
TYPE: DNA
ORGANISM: HomoSapien
US-10-277-032-3
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Best Local Similarity
Matches 1228; Conserv
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                                               CCAGCGATTGCTTCCTTGCCATAGTAAACATTTTCTTGGAACATATGTTTCACTTAA
                                                                                                                                                                          TTTGAAACATCTACATCCACCATTTGTTATGCAGTGTTCCCAAATTTCTGTTCTACAAGC
                                                                                                                                                                                                                                                                                                                                                           44.0%;
ilarity 98.1%;
Conservative
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18144 TCACTACCAAATATCTGGAAGACCTGTCTTACTCAGACAGCACCAGGTGTACAGAAGCAG 1820:
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                    GTAGCTGAGTGAGGGGGAAATTATAGAGCTTGTGTGTGACTTTAGGGAGTAGCT
                                                                      ATAGAATGCACATTTTCCATCTGAACTGGATGCATATCATTTAGCCAATTCCAGTAATTTA 2201
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GTAGCTGAGTGAGGGGAAATTATAGAGC-TGTGTGACTTTAGGGAGTAGGT 18968
                                                                                                                                            TIGTCTTGTTAAATAAGTAC-AGTGGATCTTGGAGTGGGATTTCTTGGTAAATTATCTTG
                                                                                                                                                                 TIGICTIGITAAATAAGTICAAGIGGAATCTIGGAGIGGGATITCTIGGIAAATTAICTIG 2381
                                                                                                                                                                                                                   AAGTGGAGTCAAAACGCTAAATGCAATGTTTGTTGTGTATTTTCATTACACAAACTTAAT
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US-09-266-965-51

Sequence 51, Application US/09266965

Patent No. 6495348

GENERAL INFORMATION:

APPLICANT: Sherman, D

APPLICANT: Varoglu, M

APPLICANT: Varoglu, M

APPLICANT: He, M

APPLICANT: Sheldon, P

TITLE OF INVENTION: Mitomycin biosynthetic gene

FILE REFERENCE: 600. 456US1

CURRENT APPLICATION NUMBER: US/09/266,965

CURRENT FILING DATE: 1999-03-12

EARLIER APPLICATION NUMBER: US 08/624,447

EARLIER APPLICATION NUMBER: PCT/US94/11279

EARLIER FILING DATE: 1994-01-06

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                                                                                                                           ; LENGTH: 53500
; TYPE: DNA
; ORGANISM: Streptomyces lavendulae
US-09-266-965-76
                                                                                                                                                                                                                                   APPLICANT: VACOGIU, M
APPLICANT: He, M
APPLICANT: Sheldon, p
APPLICANT: Sheldon, p
APPLICANT: Sheldon, p
APPLICANT: Sheldon, p
TITLE OF INVENTION: Mitcomycin biosynthetic get
FILE REFERENCE: 600.456US1
CURRENT APPLICATION NUMBER: US/09/266,965
CURRENT FILING DATE: 1999-03-12
EARLIER APPLICATION NUMBER: US 08/624,447
EARLIER APPLICATION NUMBER: US 08/1279
EARLIER APPLICATION NUMBER: DCT/US94/11279
EARLIER APPLICATION NUMBER: US 08/133,963
EARLIER APPLICATION NUMBER: US 08/133,963
EARLIER FILING DATE: 1993-10-07
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US-09-266-965-76
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; ORGANISM: Streptomyces lavendulae
US-09-266-965-51
                                                                                                                                                                                           NUMBER OF SEQ ID NOS: 145
SOFTWARE: FastSEQ for Windows Version
SEQ ID NO 76
                                                            Matches
                                                                          Query Match
Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
APPLICANT: Sherman,
APPLICANT: Mao, Y
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Best Local Similarity
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EARLIER FILING DATE: 1993-10-07
NUMBER OF SEQ ID NOS: 145
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 51
LENGTH: 1413
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches 181;
                                                                          Local Similarity
                                                       atch 3.0%; sal Similarity 50.8%; 181; Conservative
235 CCCGGAGCGCAGCTACTCGCTGTGCGGTGACCCCGGACGCCGGCTGCGGGGGCCCG 294
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Mao, Y
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ilarity 50.8%;
Conservative
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                                                  Score 76; DB 4; Length 53500;
Pred. No. 2.8e-07;
0; Mismatches 175; Indels
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CURRENT FILING DATE: 2000-07-14
PRIOR APPLICATION NUMBER: US 09/517,849
PRIOR FILING DATE: 2000-03-02
PRIOR APPLICATION NUMBER: US 08/979,608
PRIOR FILING DATE: 1997-11-26
PRIOR APPLICATION NUMBER: US 60/031,930
PRIOR APPLICATION NUMBER: US 60/048,547
PRIOR PILING DATE: 1997-06-03
PRIOR FILING DATE: 1997-06-03
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SOFTWARE: FastSEQ for Windows Version
SEQ ID NO 48
                                                                                                                                                                                                                                       Query Match 2.8%;
Best Local Similarity 49.1%;
Matches 285; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 48, Application Patent No. 6632923 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Lees, Ann M.
APPLICANT: Lees, Robert S.
APPLICANT: Lees, Robert S.
APPLICANT: Law, Simon W.
APPLICANT: Arjona, Anibal A.
TITLE OF INVENTION: NOVEL LOW DENSITY LIPOPROTEIN BINDING TITLE OF INVENTION: PROTEINS AND THEIR USE IN DIAGNOSING TITLE OF INVENTION: ATHEROSCLEROSIS
FILE REFERENCE: 10797-004001
                                                                                                                                                                                                                                                                                                                                    FEATURE:
NAME/KEY: CDS
LOCATION: (246)...(1895)
                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Oryctolagus
                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 2561
TYPE: DNA
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1085 GCCGCGGGTCAGGCGGCCGCCAGCGCCGCTGCTACCCCCGAGGTAGCGCACGACTTCCCG
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                                       CTGGCTCACTTCGCCCTAGGCGCCGACGCCCCGGCGACGCCACACGCCCCGACCCCCGC 214
                                                                                  ACGGGTGCGCTCCAGGCGGCC
                                                                                                                   GTCTGCGCTGGGCCATGGCTCCGCCGTGCCGCTTCGTCGGAGCTTCCCGACTGCACC
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                                                                                                                                                                                                                                       Score 71.6; DB 4;
Pred. No. 6.3e-07;
0; Mismatches 279;
                                                                              PCTTCCAGCAGACCCTGCACGCG
                                                                                                                                                                                                                                                                            Length 2561;
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Sequence 1, Application US/09103840A
PAtent NO. 629328
GENERAL INFORMATION:
APPLICANT: FLEISCHMAN, Robert D.
APPLICANT: WHITE, Owen R.
APPLICANT: WHITE, Owen R.
APPLICANT: WHITE, John C.
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN
TITLE OF INVENTION: TUBERCULOSIS
FILE REFERENCE: 24366-20007.00
CURRENT APPLICATION NUMBER: US/09/103,840A
CURRENT FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 2
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 1
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US-09-103-840A-1/
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: ORGANISM: Mycobacterium tuberculosis
: OTHER INFORMATION: H37Rv
US-09-103-840A-1
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Best Local Similarity 47.7
Matches 267; Conservative
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Pred. No. 6.5e-05;
0; Mismatches 291;
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TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN
TITLE OF INVENTION: TUBERCULOSIS
FILE REFERENCE: 24366-2007.00
CURRENT APPLICATION NUMBER: US/9/103,840A
CURRENT FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PATENTIN VET. 2.1
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US-09-103-840A-2/c
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Matches
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APPLICANT: WHITE, Owen R.
APPLICANT: FRASER, Claire M.
APPLICANT: VENTER, John C.
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OTHER INFORMATION: CDC 1551
OTHER INFORMATION: "n" bases at various positions throughout the sequence
OTHER INFORMATION: represent a, t, c or g
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Local Similarity 47.5%;
les 266; Conservative
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Pred. No. 0.00016;
0; Mismatches 292;
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US-08-642-255-60
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                                                                                                            US-08-642-255-60
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GENERAL INFORMATION:
                                                                    Query Match
Best Local (
                                                       Matches 268;
                                                                                                                                                                                         TELEX: 910 277299 FHT UR INFORMATION FOR SEQ ID NO: 60 SEQUENCE CHARACTERISTICS:
LENGTH: 810 base pairs
                                                                                                                        TOPOLOGY: line
MOLECULE TYPE: OBSCRIPTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: FERRARI, Franco A.
TITLE OF INVENTION: High Molecular Weight Collagen-Like
TITLE OF INVENTION: Protein Polymers
NUMBER OF SEQUENCES: 135
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 94111-4187

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
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APPLICANT:
                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
NAME: ROWLAND, Bertram I.
REGISTRATION NUMBER: 20,015
                                                                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER: A55556-3/BIR TELECOMMUNICATION INFORMATION:
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                                                                    Local Similarity
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                                                                                                                                                                                                                                                               TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER:
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(415) 494-8771
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                                                       Conservative
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                                                                                                                        other nucleic acid
/desc = "synthetic"
                                                                 2.7%;
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                                                       0;
                                                                  Score 68.2; DB 1;
Pred. No. 2.3e-06;
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                                                     Mismatches 333;
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RESULT 11
US-08-642-255-50
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                FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: ROWLAND, Bertram I.
REGISTRATION NUMBER: 20,015
REFERENCE/DOCKET NUMBER: A555
                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: FERRARI, Franco A.
TITLE OF INVENTION: High Molecular Weight Collagen-Like
TITLE OF INVENTION: Protein Polymers
NUMBER OF SEQUENCES: 135
CORRESPONDENCE ADDRESS:
                                                                                                                                    COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/642,25
                                                                                                                                                                                                                                       ZIP: 94111-4187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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CELECOMMUNICATION
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                                                                                                                                                                                                                                                                                               COUNTRY:
                                                                                                                                                                                                                                                                                                                         STATE:
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                                                                                                                                                                                                                                                                                                                                           Francisco
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    INFORMATION
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                                                                                                                                          US/08/642,255
                     A55556-3/BIR
                                                                                                                                                                                  Version
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RESULT 12

US-09-949-016-15796/c
; Sequence 15796, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN
; TITLE OF INVENTION: WITH HUMAN DISBASE, ME
; FILE REFERENCE: CL001307
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; DESCRIPTION:
US-08-642-255-50
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TELEFAX: (415) 494-8771
TELEX: 910 277299 FHT UR
INFORMATION FOR SEQ ID NO: 50:
SEQUENCE CHARACTERISTICS:
LENGTH: 756 base pairs
LENGTH: 756 base pairs
TYPE: nucleic acid
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Best Local
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CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
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Pred. No. 4.2e-06;
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                                                KNOWN GENES
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; ORGANISM: Human
US-09-949-016-15796
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILLING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILLING DATE: 2000-10-03
PRIOR FILLING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILLING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FASCSEQ for Windows Version 4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID NO 15796
LENGTH: 41106
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Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
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C Local St. (
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                             TGCAAGACGGCAGGCGGCTGCAGGCTGCGCACAGGTCGTGC
                                                               CCCTTGGCCTGGCTCAGCAGCCCGGGCGCGCGCGTACACGGGCCGTAGCCGCGTTGGGTCG
                                                                                                                              TGTCGCGGGCCCGACACGCCACACACCTTGGTGCCTCCCGCCTCCAGGTAGGCCGAG
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                                                                                            CGCACTTGGGCGAGTTCGAGGCCGACCCGCGCGCCAGCTGTGGCAGCGCCTCTGGGAGG
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Pred. No. 5.5e-05;
0; Mismatches 303;
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APPLICANT: Goldman, Barry S.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Wiegand, Roger C.
TITLE OF INVENTION: Myxococcus xanthus Genor
FILE REFERENCE: 38-10(15849)B
CURRENT APPLICATION NUMBER: US/09/902,540
CURRENT FILING DATE: 2001-07-10
                                                                                                                                                                                                                                               Sequence 8819, Application Patent No. 6833447 GENERAL INFORMATION:
PRIOR APPLICATION NUMBER: 60/217,883
                                                                                                                                                                                                                                                                                                            US/09902540
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Genome

Sequences

and

Uses Thereof

RESULT 13 US-09-902-540-8819/c

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Sequence 938, Application US/09902540

Patent No. 6833447

GENERAL INFORMATION:
APPLICANT: Goldman, Barry S.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Wiegand, Roger C.
ITILE OF INVENTION: Myxococcus xanthus Genom
FILE REFERENCES: 38-10(15849)B

CURRENT APPLICATION NUMBER: US/09/902,540

CURRENT FILING DATE: 2001-07-10

PRIOR APPLICATION NUMBER: 60/217,883

PRIOR FILING DATE: 2000-07-10

NUMBER OF SEQ ID NOS: 16825
                                                                                                                                                                                                              RESULT 14
US-09-902-540-938/c
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Best Local Similarity
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NUMBER OF SEQ ID NOS: 16825
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Pred. No. 2.6e-05;
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GENERAL INFORMATION:

APPLICANT: Day, Craig H.

APPLICANT: Hosken, Nancy A.

APPLICANT: Hosken, Nancy A.

APPLICANT: Hosken, Joseph M.

ITITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND FILE REFERENCE: 210121.538C3

CURRENT APPLICATION NUMBER: US/10/237,551

CURRENT APPLICATION NUMBER: US/10/237,551

CURRENT PILING DATE: 2002-09-06

NUMBER OF SEQ ID NOS: 254

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 193

LENGTH: 3957
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US-10-237-551-193
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